

PUBLIC NOTICE

State of South Carolina (SC)
Department of Health and Environmental Control (DHEC)
Bureau of Air Quality (BAQ)
2600 Bull Street
Columbia, SC 29201
(803) 898-4123

Notice of a Draft Air Prevention of Significant Deterioration (PSD) Construction Permit

PUBLIC NOTICE #18-010-PSD

COMMENT PERIOD: Public Notice will begin on **March 27, 2018** and will end at close of business, which is 5:00 p.m. on **April 25, 2018**.

Nucor Steel-Berkeley (Nucor)
1455 Hagan Avenue
Huger, South Carolina 29450
(Berkeley County)
AIR PERMIT # 0420-0060-DX

Nucor has applied to the SC DHEC, BAQ, for a Prevention of Significant Deterioration (PSD) air construction permit to expand and address previously unidentified emissions at its existing facility. A Preliminary Determination, draft construction permit, and Statement of Basis have been written by the BAQ outlining this proposed project and applicable regulations. In addition to other state and federal air quality regulations, the draft permit is subject to review under SC DHEC Regulation 61-62.5, Standard No. 7 "Prevention of Significant Deterioration (PSD)." This regulation is equivalent to Title 40 of the Code of Federal Regulations, Part 52.21 "Prevention of Significant Deterioration of Air Quality." Under these regulations, a facility must demonstrate that it will not significantly deteriorate the air quality in its region prior to constructing or modifying sources of air pollutants. The draft permit has not yet been approved and is open to comment from the public, the United States Environmental Protection Agency (EPA), the Federal Land Managers, the chief executives of Berkeley, Goose Creek and Moncks Corner, and the Berkeley-Charleston-Dorchester Council of Government.

Nucor is a scrap steel recycling mill. Emissions generated by this facility as a result of the proposed project will include: Particulate Matter (PM); Particulate Matter less than 10 micrometers in diameter (PM10); Particulate Matter less than 2.5 micrometers in diameter (PM2.5); Sulfur Dioxide (SO₂); Nitrogen Oxides (NO_x); Carbon Monoxide (CO); Lead (Pb); Volatile Organic Compounds (VOCs), Hazardous Air Pollutants (HAPs); and Carbon Dioxide Equivalent (CO₂e).

Air dispersion modeling has indicated that the release of emissions from this facility will not cause or contribute to an exceedance of the National Ambient Air Quality Standards (NAAQS). The maximum degree of Class I PSD increment consumption resulting from the proposed project are predicted to be: 16% of the PM10 24-hour standard. The maximum degrees of Class II PSD increment consumption resulting from the proposed project are: 100% of the PM10 24-hour standard and 55% of the annual standard. The maximum degree of the Class II PSD PM2.5 increment consumption is 33% of the 24-hour standard and 25% of the annual standard. The maximum degree of the Class II PSD NO_x increment consumption is predicted to be 60% of the annual standard.

All emissions limitations and conditions in the draft PSD construction permit have been written in accordance with the SC Title V Operating Permit Program. If approved, the PSD construction permit will be incorporated into the facility's TV renewal permit and will be subject to public participation and EPA requirements for TV renewal.

Interested persons may review the materials drafted and maintained by DHEC for this facility and submit written comments on the draft permit by the end of the public notice period listed above, to Ruthie Hall at the above DHEC address or by e-mail at hallmr@dhec.sc.gov. All comments received by the end of the notice period, will be considered when making a decision to approve, disapprove, or modify the draft permit. Where there is a significant amount of public interest, DHEC may hold a public hearing to receive additional comments. Public hearing requests should be

made in writing to Ruthie Hall at the above DHEC address or by e-mail. If a public hearing is requested and scheduled, notice will be given thirty (30) days in advance. If you have questions concerning the draft permit, please contact Sheila Watts at the phone number listed above. A final review request may be filed after a permit decision has been made. Information regarding final review procedures is available from DHEC's legal office at the above address or by calling (803) 898-3350. Information relative to the draft permit will be made available for review through the end of the notice period listed above, at the DHEC Columbia Office listed above and at the following location:

SC DHEC, Charleston BEHS Office, 1362 McMillan Avenue, Suite 300, Charleston, SC 29405

Information on permit decisions and hearing procedures is available by contacting DHEC at either address listed above. Copies of a draft permit or other related documents may be requested in writing to the Freedom of Information Office; fees may apply. Please bring this notice to the attention of persons you know will be interested in this matter.

This public notice, along with the Preliminary Determination which includes the draft permit and draft statement of basis, may be viewed through the end of the notice period on DHEC's website at: <http://www.scdhec.gov/PublicNotices/>.